

WO 00/63351

SEQUENCE LISTING

<110> INCYTE PHARMACEUTICALS, INC.

LAL, Preeti

YUE, Henry

TANG, Y. Tom

HILLMAN, Jennifer L.

BAUGHN, Mariah R.

YANG, Junming

<120> CARBOHYDRATE-MODIFYING ENZYMES

<130> PF-0687 PCT

<140> To Be Assigned

<141> Herewith

<150> 60/130,383

<151> 1999-04-21

<160> 10

<170> PERL Program

<210> 1

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 000422CD1

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Arg	Gly	Arg	Pro	Ser	Arg	Gly	Arg	Pro	Pro	Lys	Leu	Gln	Arg	Asn
				20					25					30
Ser	Arg	Gly	Gly	Gln	Gly	Arg	Gly	Val	Glu	Lys	Pro	Pro	His	Leu
				35					40					45
Ala	Ala	Leu	Ile	Leu	Ala	Arg	Gly	Gly	Ser	Lys	Gly	Ile	Pro	Leu
				50					55					60
Lys	Asn	Ile	Lys	His	Leu	Ala	Gly	Val	Pro	Leu	Ile	Gly	Trp	Val
				65					70					75
Leu	Arg	Ala	Ala	Leu	Asp	Ser	Gly	Ala	Phe	Gln	Ser	Val	Trp	Val
				80					85					90
Ser	Thr	Asp	His	Asp	Glu	Ile	Glu	Asn	Val	Ala	Lys	Gln	Phe	Gly
				95					100					105
Ala	Gln	Val	His	Arg	Arg	Ser	Ser	Glu	Val	Ser	Lys	Asp	Ser	Ser
				110					115					120
Thr	Ser	Leu	Asp	Ala	Ile	Ile	Glu	Phe	Leu	Asn	Tyr	His	Asn	Glu
				125					130					135
Val	Asp	Ile	Val	Gly	Asn	Ile	Gln	Ala	Thr	Ser	Pro	Cys	Leu	His
				140					145					150
Pro	Thr	Asp	Leu	Gln	Lys	Val	Ala	Glu	Met	Ile	Arg	Glu	Glu	Gly
				155					160					165
Tyr	Asp	Ser	Val	Phe	Ser	Val	Val	Arg	Arg	His	Gln	Phe	Arg	Trp
				170					175					180
Ser	Glu	Ile	Gln	Lys	Gly	Val	Arg	Glu	Val	Thr	Glu	Pro	Leu	Asn
				185					190					195
Leu	Asn	Pro	Ala	Lys	Arg	Pro	Arg	Arg	Gln	Asp	Trp	Asp	Gly	Glu

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200	205	210
Leu Tyr Glu Asn Gly Ser Phe Tyr Phe	Ala Lys Arg His Leu Ile	
215	220	225
Glu Met Gly Tyr Leu Gln Gly Gly Lys	Met Ala Tyr Tyr Glu Met	
230	235	240
Arg Ala Glu His Ser Val Asp Ile Asp	Val Asp Ile Asp Trp Pro	
245	250	255
Ile Ala Glu Gln Arg Val Leu Arg Tyr	Gly Tyr Phe Gly Lys Glu	
260	265	270
Lys Leu Lys Glu Ile Lys Leu Leu Val	Cys Asn Ile Asp Gly Cys	
275	280	285
Leu Thr Asn Gly His Ile Tyr Val Ser	Gly Asp Gln Lys Glu Ile	
290	295	300
Ile Ser Tyr Asp Val Lys Asp Ala Ile	Gly Ile Ser Leu Leu Lys	
305	310	315
Lys Ser Gly Ile Glu Val Arg Leu Ile	Ser Glu Arg Ala Cys Ser	
320	325	330
Lys Gln Thr Leu Ser Ser Leu Lys Leu	Asp Cys Lys Met Glu Val	
335	340	345
Ser Val Ser Asp Lys Leu Ala Val Val	Asp Glu Trp Arg Lys Glu	
350	355	360
Met Gly Leu Cys Trp Lys Glu Val Ala	Tyr Leu Gly Asn Glu Val	
365	370	375
Ser Asp Glu Glu Cys Leu Lys Arg Val	Gly Leu Ser Gly Ala Pro	
380	385	390
Ala Asp Ala Cys Ser Thr Ala Gln Lys	Ala Val Gly Tyr Ile Cys	
395	400	405
Lys Cys Asn Gly Gly Arg Gly Ala Ile	Arg Glu Phe Ala Glu His	
410	415	420
Ile Cys Leu Leu Met Glu Lys Val Asn	Asn Ser Cys Gln Lys	
425	430	

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 983984CD1

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Met Lys Ala Pro Gly Arg Leu Val Leu Ile	Ile Leu Cys Ser Val
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Val Phe Ser Ala Val Tyr Ile Leu Leu Cys	Cys Trp Ala Gly Leu
20	25 30
Pro Leu Cys Leu Ala Thr Cys Leu Asp His	His Phe Pro Thr Gly
35	40 45
Ser Arg Pro Thr Val Pro Gly Pro Leu His	Phe Ser Gly Tyr Ser
50	55 60
Ser Val Pro Asp Gly Lys Pro Leu Val Arg	Glu Pro Cys Arg Ser
65	70 75
Cys Ala Val Val Ser Ser Ser Gly Gln Met	Leu Gly Ser Gly Leu
80	85 90
Gly Ala Glu Ile Asp Ser Ala Glu Cys Val	Phe Arg Met Asn Gln
95	100 105
Ala Pro Thr Val Gly Phe Glu Ala Asp Val	Gly Gln Arg Ser Thr
110	115 120
Leu Arg Val Val Ser His Thr Ser Val Pro	Leu Leu Leu Arg Asn
125	130 135
Tyr Ser His Tyr Phe Gln Lys Ala Arg Asp	Thr Leu Tyr Met Val

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	140		145		150
Trp Gly Gln Gly	Arg His Met Asp Arg	Val Leu Gly Gly Arg	Thr		
	155		160		165
Tyr Arg Thr Leu	Leu Gln Leu Thr Arg	Met Tyr Pro Gly Leu	Gln		
	170		175		180
Val Tyr Thr Phe	Thr Glu Arg Met Met	Ala Tyr Cys Asp Gln	Ile		
	185		190		195
Phe Gln Asp Glu	Thr Gly Lys Asn Arg	Arg Gln Ser Gly Ser	Phe		
	200		205		210
Leu Ser Thr Gly	Trp Phe Thr Met Ile	Leu Ala Leu Glu Leu	Cys		
	215		220		225
Glu Glu Ile Val	Val Tyr Gly Met Val	Ser Asp Ser Tyr Cys	Arg		
	230		235		240
Glu Lys Ser His	Pro Ser Val Pro Tyr	His Tyr Phe Glu Lys	Gly		
	245		250		255
Arg Leu Asp Glu	Cys Gln Met Tyr Leu	Ala His Glu Gln Ala	Pro		
	260		265		270
Arg Ser Ala His	Arg Phe Ile Thr Glu	Lys Ala Val Phe Ser	Arg		
	275		280		285
Trp Ala Lys Lys	Arg Pro Ile Val Phe	Ala His Pro Ser Trp	Arg		
	290		295		300
Thr Glu					

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<211> 578

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2210054CD1

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Leu Pro Gln His His	Gly Ala Pro Gly Pro	Asp Gly Ser Ala Pro
	20	25
Asp Pro Ala His Tyr	Arg Glu Arg Val Lys	Ala Met Phe Tyr His
	35	40
Ala Tyr Asp Ser Tyr	Leu Glu Asn Ala Phe	Pro Phe Asp Glu Leu
	50	55
Arg Pro Leu Thr Cys	Asp Gly His Asp Thr	Trp Gly Ser Phe Ser
	65	70
Leu Thr Leu Ile Asp	Ala Leu Asp Thr Leu	Leu Ile Leu Gly Asn
	80	85
Val Ser Glu Phe Gln	Arg Val Val Glu Val	Leu Gln Asp Ser Val
	95	100
Asp Phe Asp Ile Asp	Val Asn Ala Ser Val	Phe Glu Thr Asn Ile
	110	115
Arg Val Val Gly Gly	Leu Leu Ser Ala His	Leu Leu Ser Lys Lys
	125	130
Ala Gly Val Glu Val	Glu Ala Gly Trp Pro	Cys Ser Gly Pro Leu
	140	145
Leu Arg Met Ala Glu	Glu Ala Ala Arg Lys	Leu Leu Pro Ala Phe
	155	160
Gln Thr Pro Thr Gly	Met Pro Tyr Gly Thr	Val Asn Leu Leu His
	170	175
Gly Val Asn Pro Gly	Glu Thr Pro Val Thr	Cys Thr Ala Gly Ile
	185	190
Gly Thr Phe Ile Val	Glu Phe Ala Thr Leu	Ser Ser Leu Thr Gly
	200	205
		210

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Asp	Pro	Val	Phe	Glu	Asp	Val	Ala	Arg	Val	Ala	Leu	Met	Arg	Leu	215	220	225
Trp	Glu	Ser	Arg	Ser	Asp	Ile	Gly	Leu	Val	Gly	Asn	His	Ile	Asp	230	235	240
Val	Leu	Thr	Gly	Lys	Trp	Val	Ala	Gln	Asp	Ala	Gly	Ile	Gly	Ala	245	250	255
Gly	Val	Asp	Ser	Tyr	Phe	Glu	Tyr	Leu	Val	Lys	Gly	Ala	Ile	Leu	260	265	270
Leu	Gln	Asp	Lys	Lys	Leu	Met	Ala	Met	Phe	Leu	Glu	Tyr	Asn	Lys	275	280	285
Ala	Ile	Arg	Asn	Tyr	Thr	Arg	Phe	Asp	Asp	Trp	Tyr	Leu	Trp	Val	290	295	300
Gln	Met	Tyr	Lys	Gly	Thr	Val	Ser	Met	Pro	Val	Phe	Gln	Ser	Leu	305	310	315
Glu	Ala	Tyr	Trp	Pro	Gly	Leu	Gln	Ser	Leu	Ile	Gly	Asp	Ile	Asp	320	325	330
Asn	Ala	Met	Arg	Thr	Phe	Leu	Asn	Tyr	Tyr	Thr	Val	Trp	Lys	Gln	335	340	345
Phe	Gly	Gly	Leu	Pro	Glu	Phe	Tyr	Asn	Ile	Pro	Gln	Gly	Tyr	Thr	350	355	360
Val	Glu	Lys	Arg	Glu	Gly	Tyr	Pro	Leu	Arg	Pro	Glu	Leu	Ile	Glu	365	370	375
Ser	Ala	Met	Tyr	Leu	Tyr	Arg	Ala	Thr	Gly	Asp	Pro	Thr	Leu	Leu	380	385	390
Glu	Leu	Gly	Arg	Asp	Ala	Val	Glu	Ser	Ile	Glu	Lys	Ile	Ser	Lys	395	400	405
Val	Glu	Cys	Gly	Phe	Ala	Thr	Ile	Lys	Asp	Leu	Arg	Asp	His	Lys	410	415	420
Leu	Asp	Asn	Arg	Met	Glu	Ser	Phe	Phe	Leu	Ala	Glu	Thr	Val	Lys	425	430	435
Tyr	Leu	Tyr	Leu	Leu	Phe	Asp	Pro	Thr	Asn	Phe	Ile	His	Asn	Asn	440	445	450
Gly	Ser	Thr	Phe	Asp	Thr	Val	Ile	Thr	Pro	Tyr	Gly	Glu	Cys	Ile	455	460	465
Leu	Gly	Ala	Gly	Gly	Tyr	Ile	Phe	Asn	Thr	Glu	Ala	His	Pro	Ile	470	475	480
Asp	Pro	Ala	Ala	Leu	His	Cys	Cys	Gln	Arg	Leu	Lys	Glu	Glu	Gln	485	490	495
Trp	Glu	Val	Glu	Asp	Leu	Met	Arg	Glu	Phe	Tyr	Ser	Leu	Lys	Arg	500	505	510
Ser	Arg	Ser	Lys	Phe	Gln	Lys	Asn	Thr	Val	Ser	Ser	Gly	Pro	Trp	515	520	525
Glu	Pro	Pro	Ala	Arg	Pro	Gly	Thr	Leu	Phe	Ser	Pro	Glu	Asn	His	530	535	540
Asp	Gln	Ala	Arg	Glu	Arg	Lys	Pro	Ala	Lys	Gln	Lys	Val	Pro	Leu	545	550	555
Leu	Ser	Cys	Pro	Ser	Gln	Pro	Phe	Thr	Ser	Lys	Leu	Ala	Leu	Leu	560	565	570
Gly	Gln	Val	Phe	Leu	Asp	Ser	Ser								575		

<210> 4

<211> 461

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2618358CD1

<400> 4

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Ala	Asp	Gly	Lys	Gly	Pro	Cys	Val	Trp	Asp	Thr	Phe	Thr	His	Gln
				20					25					30
Gly	Gly	Glu	Arg	Val	Phe	Lys	Asn	Gln	Thr	Gly	Asp	Val	Ala	Cys
				35					40					45
Gly	Ser	Tyr	Thr	Leu	Trp	Glu	Glu	Asp	Leu	Lys	Cys	Ile	Lys	Gln
				50					55					60
Leu	Gly	Leu	Thr	His	Tyr	Arg	Phe	Ser	Leu	Ser	Trp	Ser	Arg	Leu
				65					70					75
Leu	Pro	Asp	Gly	Thr	Thr	Gly	Phe	Ile	Asn	Gln	Lys	Gly	Ile	Asp
				80					85					90
Tyr	Tyr	Asn	Lys	Ile	Ile	Asp	Asp	Leu	Leu	Lys	Asn	Gly	Val	Thr
				95					100					105
Pro	Ile	Val	Thr	Leu	Tyr	His	Phe	Asp	Leu	Pro	Gln	Thr	Leu	Glu
				110					115					120
Asp	Gln	Gly	Gly	Trp	Leu	Ser	Glu	Ala	Ile	Ile	Glu	Ser	Phe	Asp
				125					130					135
Lys	Tyr	Ala	Gln	Phe	Cys	Phe	Ser	Thr	Phe	Gly	Asp	Arg	Val	Lys
				140					145					150
Gln	Trp	Ile	Thr	Ile	Asn	Glu	Ala	Asn	Val	Leu	Ser	Val	Met	Ser
				155					160					165
Tyr	Asp	Leu	Gly	Met	Phe	Pro	Pro	Gly	Ile	Pro	His	Phe	Gly	Thr
				170					175					180
Gly	Gly	Tyr	Gln	Ala	Ala	His	Asn	Leu	Ile	Lys	Ala	His	Ala	Arg
				185					190					195
Ser	Trp	His	Ser	Tyr	Asp	Ser	Leu	Phe	Arg	Lys	Lys	Gln	Lys	Gly
				200					205					210
Met	Val	Ser	Leu	Ser	Leu	Phe	Ala	Val	Trp	Leu	Glu	Pro	Ala	Asp
				215					220					225
Pro	Asn	Ser	Val	Ser	Asp	Gln	Glu	Ala	Ala	Lys	Arg	Ala	Ile	Thr
				230					235					240
Phe	His	Leu	Asp	Leu	Phe	Ala	Lys	Pro	Ile	Phe	Ile	Asp	Gly	Asp
				245					250					255
Tyr	Pro	Glu	Val	Val	Lys	Ser	Gln	Ile	Ala	Ser	Met	Ser	Gln	Lys
				260					265					270
Gln	Gly	Tyr	Pro	Ser	Ser	Arg	Leu	Pro	Glu	Phe	Thr	Glu	Glu	Glu
				275					280					285
Lys	Lys	Met	Ile	Lys	Gly	Thr	Ala	Asp	Phe	Phe	Ala	Val	Gln	Tyr
				290					295					300
Tyr	Thr	Thr	Arg	Leu	Ile	Lys	Tyr	Gln	Glu	Asn	Lys	Lys	Gly	Glu
				305					310					315
Leu	Gly	Ile	Leu	Gln	Asp	Ala	Glu	Ile	Glu	Phe	Phe	Pro	Asp	Pro
				320					325					330
Ser	Trp	Lys	Asn	Val	Asp	Trp	Ile	Tyr	Val	Val	Pro	Trp	Gly	Val
				335					340					345
Cys	Lys	Leu	Leu	Lys	Tyr	Ile	Lys	Asp	Thr	Tyr	Asn	Asn	Pro	Val
				350					355					360
Ile	Tyr	Ile	Thr	Glu	Asn	Gly	Phe	Pro	Gln	Ser	Asp	Pro	Ala	Pro
				365					370					375
Leu	Asp	Asp	Thr	Gln	Arg	Trp	Glu	Tyr	Phe	Arg	Gln	Thr	Phe	Gln
				380					385					390
Glu	Leu	Phe	Lys	Ala	Ile	Gln	Leu	Asp	Lys	Val	Asn	Leu	Gln	Val
				395					400					405
Tyr	Cys	Ala	Trp	Ser	Leu	Leu	Asp	Asn	Phe	Glu	Trp	Asn	Gln	Gly
				410					415					420
Tyr	Ser	Ser	Arg	Phe	Gly	Leu	Phe	His	Val	Asp	Phe	Glu	Asp	Pro
				425					430					435
Ala	Arg	Pro	Arg	Val	Pro	Tyr	Thr	Ser	Ala	Lys	Glu	Tyr	Ala	Lys
				440					445					450
Ile	Ile	Arg	Asn	Asn	Gly	Leu	Glu	Ala	His	Leu				
				455					460					

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<210> 5
 <211> 529
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2912330CD1

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 20 25 30
 Thr Glu Phe Ser His Trp Met Asn Ile Lys Thr Ile Leu Asp Glu
 35 40 45
 Leu Val Gln Arg Gly His Glu Val Thr Val Leu Ala Ser Ser Ala
 50 55 60
 Ser Ile Ser Phe Asp Pro Asn Ser Pro Ser Thr Leu Lys Phe Glu
 65 70 75
 Val Tyr Pro Val Ser Leu Thr Lys Thr Glu Phe Glu Asp Ile Ile
 80 85 90
 Lys Gln Leu Val Lys Arg Trp Ala Glu Leu Pro Lys Asp Thr Phe
 95 100 105
 Trp Ser Tyr Phe Ser Gln Val Gln Glu Ile Met Trp Thr Phe Asn
 110 115 120
 Asp Ile Leu Arg Lys Phe Cys Lys Asp Ile Val Ser Asn Lys Lys
 125 130 135
 Leu Met Lys Lys Leu Gln Glu Ser Arg Phe Asp Val Val Leu Ala
 140 145 150
 Asp Ala Val Phe Pro Phe Gly Glu Leu Leu Ala Glu Leu Leu Lys
 155 160 165
 Ile Pro Phe Val Tyr Ser Leu Arg Phe Ser Pro Gly Tyr Ala Ile
 170 175 180
 Glu Lys His Ser Gly Gly Leu Leu Phe Pro Pro Ser Tyr Val Pro
 185 190 195
 Val Val Met Ser Glu Leu Ser Asp Gln Met Thr Phe Ile Glu Arg
 200 205 210
 Val Lys Asn Met Ile Tyr Val Leu Tyr Phe Glu Phe Trp Phe Gln
 215 220 225
 Ile Phe Asp Met Lys Lys Trp Asp Gln Phe Tyr Ser Glu Val Leu
 230 235 240
 Gly Arg Pro Thr Thr Leu Ser Glu Thr Met Ala Lys Ala Asp Ile
 245 250 255
 Trp Leu Ile Arg Asn Tyr Trp Asp Phe Gln Phe Pro His Pro Leu
 260 265 270
 Leu Pro Asn Val Glu Phe Val Gly Gly Leu His Cys Lys Pro Ala
 275 280 285
 Lys Pro Leu Pro Lys Glu Met Glu Glu Phe Val Gln Ser Ser Gly
 290 295 300
 Glu Asn Gly Val Val Val Phe Ser Leu Gly Ser Met Val Ser Asn
 305 310 315
 Thr Ser Glu Glu Arg Ala Asn Val Ile Ala Ser Ala Leu Ala Lys
 320 325 330
 Ile Pro Gln Lys Val Leu Trp Arg Phe Asp Gly Asn Lys Pro Asp
 335 340 345
 Thr Leu Gly Leu Asn Thr Arg Leu Tyr Lys Trp Ile Pro Gln Asn
 350 355 360
 Asp Leu Leu Gly His Pro Lys Thr Lys Ala Phe Ile Thr His Gly
 365 370 375
 Gly Met Asn Gly Ile Tyr Glu Ala Ile Tyr His Gly Val Pro Met

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	380		385		390
Val Gly Val Pro	Ile Phe Gly Asp Gln	Leu Asp Asn Ile Ala	His		
	395		400		405
Met Lys Ala Lys	Gly Ala Ala Val Glu	Ile Asn Phe Lys Thr	Met		
	410		415		420
Thr Ser Glu Asp	Leu Leu Arg Ala Leu	Arg Thr Val Ile Thr	Asp		
	425		430		435
Ser Ser Tyr Lys	Glu Asn Ala Met Arg	Leu Ser Arg Ile His	His		
	440		445		450
Asp Gln Pro Val	Lys Pro Leu Asp Arg	Ala Val Phe Trp Ile	Glu		
	455		460		465
Phe Val Met Arg	His Lys Gly Ala Lys	His Leu Arg Ser Ala	Ala		
	470		475		480
His Asp Leu Thr	Trp Phe Gln His Tyr	Ser Ile Asp Val Ile	Gly		
	485		490		495
Phe Leu Leu Thr	Cys Val Ala Thr Ala	Ile Phe Leu Phe Thr	Lys		
	500		505		510
Cys Phe Leu Phe	Ser Cys Gln Lys Phe	Asn Lys Thr Arg Lys	Ile		
	515		520		525
Glu Lys Arg Glu					

<210> 6

<211> 1772

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 000422CB1

<400> 6

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ggcgcgccacc	tccgtctcca	acccgcgggg	gcgaccgtcc	cggggccggc	cgccgaagct	180
gcagcgcaac	tctcgcgggc	gccagggccg	agggtgtggag	aagccccgc	acctggcagc	240
cctaattctg	gcccggggag	gcagcaaaag	catccccctg	agaacatta	agcacctggc	300
gggggtcccc	ctcattggct	gggtcctgcg	tgcggccctg	gattcagggg	ccttcagag	360
tgtatgggtt	tcgacagacc	atgatgaaat	tgagaatgtg	gccaaacaat	ttggtgcaca	420
agttcatcga	agaagtctct	aagtttcaaa	agacagctct	acctcactag	atgccatcat	480
agaatttctt	aattatcata	atgaggttga	cattgttagga	aatattcaag	ctacttctcc	540
atgtttacat	cctactgatc	ttcaaaaagt	tgcagaaatg	attcgagaag	aaggatatga	600
ttctgttttc	tctgtttgtg	gacgccatca	gtttcgatgg	agtgaaattc	agaaaggagt	660
tcgtgaagtg	accgaacctc	tgaatttaaa	tccagctaaa	cggcctcgtc	gacaagactg	720
ggatggagaa	ttatatgaaa	atggctcatt	ttattttgct	aaaagacatt	tgatagagat	780
gggttacttg	cagggtggaa	aaatggcata	ctatgaaatg	cgagctgaac	atagtgtgga	840
tatagatgtg	gatattgatt	ggcctattgc	agagcaaaga	gtattaagat	atggctattt	900
tggcaaagag	aagcttaagg	aaataaaact	tttggtttgc	aatattgatg	gatgtctcac	960
caatggccac	atztatgtat	caggagacca	aaaagaaata	atatcttatg	atgtaaaaga	1020
tgctattggg	ataagtttat	taaagaaaag	tggtattgag	gtgaggctaa	tctcagaaag	1080
ggcctgttca	aagcagacgc	tgtcttcttt	aaaactggat	tgcaaaatgg	aagtcagtgt	1140
atcagacaag	ctagcagttg	tagatgaatg	gagaaaagaa	atgggcctgt	gctggaaaga	1200
agtggcatat	cttggaatg	aagtgtctga	tgaagagtgc	ttgaagagag	tgggcctaag	1260
tggcgctcct	gctgatgcct	gttctactgc	ccagaaggct	gttgataca	tttgcaaatg	1320
taatggtggc	cgtggtgcca	tccgagaatt	tgcagagcac	atttgcctac	taatggaaaa	1380
ggttaataat	tcatgccaaa	aatagaaatt	agcgtaatat	tgagaaaaaa	atgatacagc	1440
cttcttcagc	cagtttgctt	ttatttttga	ttaagtaaat	tccatgttgt	aatgttacag	1500
agagtgtgat	ttggtttgtg	atatatatat	attgtgctct	acttttctct	ttacgcaaga	1560
taattattta	gagactgatt	acagctcttc	tcagattttt	agtaaatgca	agtaagaaca	1620
tcatcaaagt	tcactttgta	ttgtaccctg	taaaactgtg	tgtttgtgtg	ctttcaaaga	1680
tgttggggatt	ttatttatct	ggggacagtg	tgtatggtaa	gacatgccct	tctattaata	1740
aaactacatt	tctcaaactt	gaaaaaaaaa	aa			1772

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<210> 7
 <211> 1416
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> 1398
 <223> a or g or c or t, unknown, or other

<220>
 <221> misc_feature
 <223> Incyte ID No: 983984CB1

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 ggagatgcgg cagtgggaatc tggaaagggcg gtgaaaaacc tacgtcctgc cctcgcccgg 180
 cctctccatt cgtecccccg gtagagaggt gcccggtcc cacccttcc cagccccagc 240
 cctggagaca gcagccccta gactactgag ggacagcgac agcatgaagg ctccgggtcg 300
 gctcgtgctc atcactctgt gctccgtggt ctctctgccc gtctacatcc tctgtgtctg 360
 ctgggcccgc ctgccccctc gcctggccac ctgcctggac caccacttcc ccacaggctc 420
 caggcccact gtgcccgggac ccctgcactt cagtggatat agcagtgtgc cagatgggaa 480
 gccgctggte cgcgagccct gccgcagctg tgccgtgggtg tccagctccg gccaaatgct 540
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